



MARPOL® Homo 35.0

Marco Polo International, LLC - Polypropylene Homopolymer

Thursday, January 4, 2024

General Information

Product Description

Additives: None

Recommended Applications: Large thin wall parts, caps, and closures.

Homo 35.0 complies with all applicable FDA regulations for food contact.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Additive Free	• Food Contact Acceptable	• Homopolymer
Uses	• Caps	• Closures	• Thin-walled Parts
Agency Ratings	• FDA Food Contact		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ASTM D638
Tensile Strength (Yield)	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	850	J/m	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	116	°C	ASTM D648
Melting Temperature	166	°C	DSC

Notes

¹ Typical properties: these are not to be construed as specifications.